

Appl. No. 10/706,058
Amdt. Dated May 4, 2005
Reply to Office Action of February 15, 2005

Attorney Docket No. 81710.0262
Customer No.: 26021

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-2. (Cancelled)

3. (Currently Amended) ~~The image forming device according to claim 1~~

An image forming device comprising:

a photoconductive drum;

a motor which rotates the photoconductive drum;

means for charging a surface of the photoconductive drum;

means for exposing to write image information as an electrostatic latent

image onto the charged surface of the photoconductive drum;

means for developing the electrostatic latent image;

means for transferring the developed image onto a paper;

means for removing paper dust by contacting against the surface of the

photoconductive drum; and

a rotation mechanism which intermittently rotates the means for removing the paper dusts.

wherein the rotation mechanism rotates the means for removing the paper dusts according to a backward rotation of the photoconductive drum.

4. (Original) The image forming device according to claim 3, wherein a period of time when the photoconductive drum rotates backward is a period of time corresponding to approximately 30 degrees by a rotation angle.

5-11. (Canceled)

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12. (Currently Amended) ~~The image forming device according to claim 10~~
An image forming device comprising:

a photoconductive drum;

a motor which rotates the photoconductive drum;

means for charging a surface of the photoconductive drum;

means for exposing to write image information as an electrostatic latent

image onto the charged surface of the photoconductive drum;

means for developing the electrostatic latent image;

means for transferring the developed image onto a paper;

means for removing paper dust by contacting against the surface of the
photoconductive drum, provided as a replaceable unit with respect to a device main
body; and

a rotation mechanism which intermittently rotates the means for removing
the paper dusts,

wherein the rotation mechanism is provided on a shaft of the means for removing the paper dust, and is a gear with a one-way clutch which engages with a gear of the photoconductive drum, and the gear with one-way clutch transfers a backward rotation of the photoconductive drum to the shaft.

13. (Original) The image forming device according to claim 12, wherein a period of time when the photoconductive drum rotates backward is a period of time corresponding to approximately 30 degrees by a rotation angle.

14. (Currently Amended) ~~The image forming device according to claim 10,~~
~~further comprising:~~ An image forming device comprising:

a photoconductive drum;

a motor which rotates the photoconductive drum;

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means for charging a surface of the photoconductive drum;
means for exposing to write image information as an electrostatic latent
image onto the charged surface of the photoconductive drum;
means for developing the electrostatic latent image;
means for transferring the developed image onto a paper;
means for removing paper dust by contacting against the surface of the
photoconductive drum, provided as a replaceable unit with respect to a device main
body;
a rotation mechanism which intermittently rotates the means for removing
the paper dusts;

a sheet counter which cumulatively counts a number of printed sheets;
means for determining whether or not a counted value of the sheet counter
has reached a prescribed number of sheets; and

a controller which rotates a motor by a prescribed angle so that the
photoconductive drum is rotated backward when it is determined that the counted
value of the sheet counter has reached the prescribed number of sheets.

15. (Original) The image forming device according to claim 14, wherein
the controller resets the counted value of the sheet counter after the
photoconductive drum rotates backward.

16-21. (Canceled)

22. (Currently Amended) ~~The image forming device according to claim 21~~
An image forming device comprising:
a photoconductive drum;
a motor which rotates the photoconductive drum;

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means for charging a surface of the photoconductive drum;
means for exposing to write image information as an electrostatic latent
image onto the charged surface of the photoconductive drum;
means for developing the electrostatic latent image;
means for transferring the developed image onto a paper;
means for removing paper dust by contacting against the surface of the
photoconductive drum;
a rotation mechanism which intermittently rotates the means for removing
the paper dusts;
a main body which supports the means for removing the paper dust
rotatable; and
a unit which supports the photoconductive drum rotatable, and can be
replaced with respect to the main body,

wherein the rotation mechanism is provided to a shaft of the means for removing the paper dust, and is a gear with a one-way clutch which engages with a gear of the photoconductive drum, and the gear with one-way clutch transfers a backward rotation of the photoconductive drum to the shaft.

23. (Original) The image forming device according to claim 22, wherein a period of time when the photoconductive drum rotates backward is a period of time corresponding to approximately 30 degrees by a rotation angle.

24. (Original) The image forming device according to claim 22, wherein the photoconductive drum rotates backward when replacing the unit.

25-29. (Canceled).